

## ABSTRACT

The invention relates to a method for the collective production of microlenses at the end of a set of aligned optical fibres. According to the invention the method consists in heating the end of all the fibres (F) by means of an electric arc (A) in order to form the microlenses, the plane in which the ends of the fibres are situated being distant (d) from the line (X) of the hottest points in the electric arc in order to round their end homogeneously.

The invention applies to the production of optical and optoelectronic modules.

Figure 3.